IG-300 (BT)

2D Imager Barcode Scanner

Quick Guide

Table of contents

1. Introduction 1
2. Quick Start 2
   2.1 Standard Shipment Package 2
   2.2 Start Up 2
   2.3 User's Manual 3
3. Program Sequence 4
   3.1 Factory Default Settings 4
4. Scanner Imager Mode 5
5. RS232 Parameters (for IG-300 series) 6
   5.1 Baud Rate 6
   5.2 Data Bits 6
   5.3 Stop Bits 6
6. USB Parameter 7
7. Bluetooth Setup (for IG-300BT series) 8
   7.1 Set Cradle Interface Barcode 8
   7.2 Bluetooth Default Setting 8
   7.3 Scanner Sever/Client Mode 8
   7.4 Sleep Mode 9
   7.5 Memory Mode 9
8. Postambles 10
9. Symbologies 11
   9.1 Enable Symbologies 11
   9.2 Disable All Symbologies 14
10. Test Symbologies 15
11. Specification 17

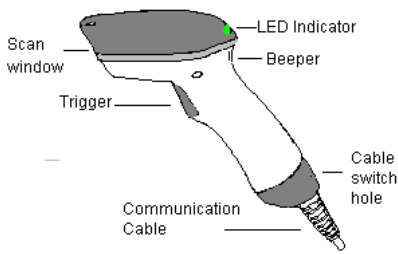
1. Introduction

Thank you for purchasing this brand-new designed 2D imager hand held barcode scanner. This is a cutting-edge gun-type Area Imaging barcode scanner which is designed specifically for government administration, custom control, shipping industry and etc. That adds on more user friendly functions and has replaceable cable that makes it more easily to be operated by the customers.

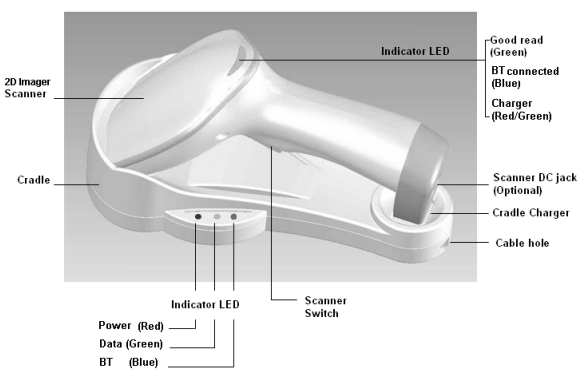
This high performance gun-type scanner provides the customer with the most cost effective solution in the market. It is perfectly suitable and definitely the best choice for you.

1.1 Illustration

A. IG-300 Series



B. IG-300BT Series



2. Quick Start

2.1 Standard Shipment Package

The standard shipment package is provided with the following items.

- 2D Imager Scanner (IG-300 or IG-300BT)
- Cradle or Charger (optional for IG-300BT)
- Power Adaptor (if applied)
- Communication Cable
- Skip resistant pad
- Iron panel of cradle and screw

Visually inspect the device and accessories for any evidence of physical damage. If anything is missing or appears to be damaged, immediately contact your dealer.

2.2 Start Up

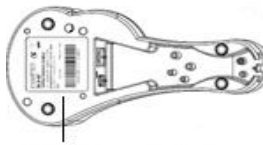
A. IG-300 Series
The interface setting of the device has been set by the manufacturer, your device can plug and play without any setting.

Connect the communication cable on the RJ45 connector inlet of the scanner and your POS or Host system. Power-on the device with the provided power supply if applicable. Press the trigger button and aim the barcode which covered by the LED red light zone. You will hear a beep sound and the green LED indicator will light on after scan successfully.

In case you will use the IG-300 with USB Virtual COM port emulation, please contact with your dealer and download the correct USB driver for Virtual COM port.

B. IG-300BT Series
Connect the communication cable provided to your POS or Host system and cradle. Power on the cradle with the provided power supply and scan the

Bluetooth MAC address code located on the bottom of cradle.



MAC Address Label

After approximately five seconds your connection is operational and the blue LED on the cradle is on.,

The scanner with Bluetooth must be charged for a minimum of 8 hours before it can be used. If the battery is full, the red light will be off.

2.3 User's Manual

If you need the further information or more advanced setup options you can contact with your dealer or download the User's Manual on the service website.

3. Program Sequence

You can setup your device by scanning all necessary programming codes for parameters that meet applications. After these scan(s), the device is automatically configured.

The Chapter 4 to 9 provides you with the programming codes necessary for a basic setup. For more advanced setup options, please see the User's Manual

3.1 Factory Default Settings

The default RS232 settings are 57600 baud, 8 data bits, and no parity.

The factory default settings are shown with bold **< >** in the following pages.

By Scanning "Set factory default" code, the setting will go back to the factory default setting. If you are using a USB interface, your device will be lost USB interface settings, please re-configure USB parameter

Set factory default

4. Scanner Imager Mode

The area imager mode allows you to position the hand-held scanner beam in any direction, regardless of the orientation of the barcode, and perform a good read on 1D and 2D barcodes.

The linear imager mode allows you to increase your decoding speed while scanning 1D barcodes. However, you need to position the beam across all bars in the 1D barcode.

<Area imager>

Linear imager

1D and 2D Codes, Bright Environment

1D and 2D Codes With Reflective Surface

5. RS232 Parameters
(for IG-300 series)

5.1 Baud Rate

38400

<57600>

115200

5.2 Data Bits

Data Bits 7

<Data Bits 8>

5.3 Stop Bit

<Stop Bit 1>

Stop Bit 2

6. USB Parameter
(for IG-300 series)

USB Mode

Attention:
The “Set factory default” setting (Chapter 3.1) would return to the original default setting instead of the customized setting. That is, if you are using a USB interface, your device will lose USB interface settings when the “Set factory default” be set. Then you must to re-configure USB mode setting barcode again.

7. Bluetooth Setup
(for IG-300BT series)

7.1 Set Cradle Interface Barcode

Set Cradle Interface Default Barcode
（default RS232, 19200, N-8-1）

Set Cradle KB Interface Barcode

Set Cradle RS232 Interface Barcode

Set Cradle USB HID Interface Barcode

7.2 Bluetooth Default Setting

Default Setting

7.3 Scanner Server/Client Mode

Scanner Server Mode Barcode

Scanner Client Mode Barcode

7.4 Sleep Mode

<Sleep Mode 1 min. ON>

Sleep Mode 10 min. ON

Sleep Mode OFF

7.5 Memory Mode

Memory Mode ON

<Memory Mode OFF>

Memory Read

Memory Clear

8. Postambles

Postamble None

<CR+LF >

CR

LF

<ETX>

9. Symbologies

9.1 Enable Symbologies

Australian Post ON

AZTEC ON

BPO ON

Canada Post ON

Codabar ON

Codablock A ON

Codablock F ON

CODE 11 ON

<CODE 39 ON>

CODE 93 ON

<CODE 128 ON>

<GS1-128 ON>

<DATAMATRIX ON>

Dutch Post ON

<EAN-8 ON>

<EAN-13 ON>

<EAN 128 ON>

GS1 CC-A/B ON

GS1 CC-C ON

GS1 DataBar-Omni ON

GS1 DataBar Limited ON

GS1 DataBar Expanded ON

Infomail ON

Interleaved 2 of 5 ON

Japan Post ON

Matrix 2 of 5 ON

MaxiCode ON

Micro PDF417 ON

MSI ON

<PDF417 ON>

Planet ON

PLESSEY ON

Postnet ON

QR Code ON

Standard 2 of 5 ON

Sweden Post ON

Telepen ON

TLC 39 ON

<UPC-A ON>

<UPC-E ON>

9.2 Disable All Symbologies.

If you want to disable all Symbologies, please scan this programming code.

Disable All Symbologies

10. Test Symbologies

Scan one or more of these barcodes to test barcode symbologies you enabled.

Codabar

Code 39

Code 93

Code 128

DataMatrix

EAN 8

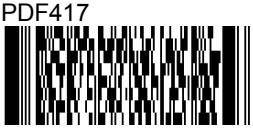
EAN13

EAN 128

Interleaved 2 of 5

MSI code

PDF417



GS1 DataBar Omnidirectional

GS1 DataBar Omni Stacked

GS1 DataBar Expanded

GS1DataBar Expanded Stacked

GS1 DataBar Limited

UPC A

UPC E

11. Specification

11.1 Readable Symbologies

1D Symbologies

Symbologies	Readable	Default Enable
EAN/UPC	◯	◯
UCC/EAN128	◯	◯
ISBN	◯	
ISBT	◯	
Code 11	◯	
Code 39	◯	◯
Code 93/93i	◯	
Code 128	◯	◯
Interleaved	◯	
Matrix	◯	◯
Instustrial	◯	
Standard 2 of 5	◯	
Codabar	◯	
MSI	◯	
Plessey	◯	
Telepen	◯	
Postal codes	◯	
GS1 DataBar Omnidirectional	◯	
GS1 DataBar Limited	◯	
GS1 DataBar Expanded	◯	

2D Symbologies

Symbologies	Readable	Default Enable
Data Matrix	◯	
PDF 417	◯	◯
Micro PDF 417	◯	
Maxicode	◯	
QR code	◯	
Aztec	◯	
EAN.UCC composite	◯	

11.2 Indicator LED Status

a) IG-300 Series

Light	Signal	Status
Green	1 blink and 1 beep	good read and transmitted

b) IG-300BT Series

Scanner

Light	Signal	Status
Green	1 blink and 1 beep	good read and transmitted
		good read and save on memory (BT disconnect)
	continue on	battery charged full
Red	3 long blink and 3 long beeps	memory full
	4 blink and 4 beeps	low Battery warning
	2 blink and 2 beeps	good read but transmit fail
	continue on	in charging
Blue	3 blink and 3 beeps	BT disconnect
	fast flash twice per 2 seconds	on connecting
	dark	BT disconnect before sleep
	continuous on and 1 long beep	BT connected
Red **Blue**	1 blink at the same timeand 2 beeps	setting ok
Red **Green**	red and green light flash alternately three times	start charging
Green **Red** **Blue**	1 blink taking turns 3 times	battery changed

Cradle

Light	Signal	Status
Green	1 blink	good read and transmitted
Red	continuous on	power on
	off	power off
Blue	flash	BT disconnect
	continuous on	BT connected

0145-88E0021
V00